

Form PTO-1449 (Rev. 2-32) U.S. Department of Commerce Patent & Trademark Office

Atty. Docket No. Q63518 Serial No. 09/883,279 (Continuation of Application Serial No. 09/411,256)

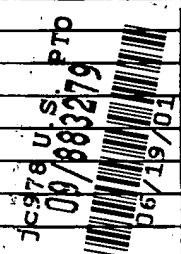
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

Applicant: Shinobu TANAKA (Part of #4)

Filing Date: June 19, 2001 Group: 2167

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
[initials]	4,097,791	6/1978	Bivens et al.	318	484	
[initials]	4,757,712	7/1988	Jurca	73	865.9	
[initials]	5,238,086	8/1993	Aoki et al.	187	223	



FOREIGN PATENT DOCUMENTS

Document	Date	Country	Class	Sub-class	Translation Yes/No
JP 4365798	12/17/92	Japan (Duplicate)			Abstract
JP 63-293,230	11/1988	Japan	414	634	
JP 03-240,113	10/1991	Japan	414	634	
JP 04-365,798	12/1992	Japan	414	634	
JP 08-268,696	10/1996	Japan	414	634	
JP 08-282,994	10/1996	Japan	414	634	
JP 11-092,099	4/1999	Japan	414	634	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER: [Signature] DATE CONSIDERED: March 22, 2002

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(Note to Publications Branch)

Note: Indicate all documents cited above as "cited by the examiner," as all were cited by examiner on PTO-892 in the parent case. -JL

Complete if Known

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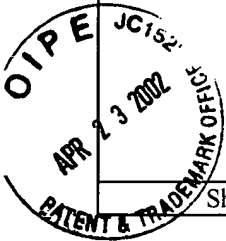
Sheet

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of

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Application Number	09/883,279
Confirmation Number	1528
Filing Date	June 19, 2001
First Named Inventor	Shinoobu TANAKA
Art Unit	2167 31652 Werner
Examiner Name	Gerald J. O'CONNOR T.E.A.
Attorney Docket Number	Q63518


U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
FEW		US 5,109,945		May 5, 1992	Koga
		US			
		US			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
FEW		JP	08 292817 A		Nov 5, 1996	Toyo Umpanki Co. Ltd.	No

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
FEW		Patent Abstracts of Japan vol. 1999, no. 2 (Toyota Autom Loom Works Ltd.) for JP 10-310395	
FEW		Patent Abstracts of Japan vol. 1998, no. 05, (Mitsubishi Heavy Ind. Ltd.) for JP 10-019113	
FEW		Patent Abstracts of Japan vol. 1997, no. 8 (Nippon Yusoki Co. Ltd.) for JP 09-104598	
FEW		Patent Abstracts of Japan vol. 2000, no. 17, (Toyota Autom Loom Works Ltd.) for JP 01-060599	
FEW		Patent Abstract of Japan vol. 2000, no. 17 (Toyota Autom Loom Works Ltd.) for JP 01-013339	

Examiner Signature

F. E. Werner

Date Considered

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